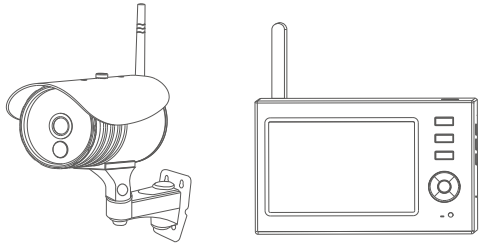


Model: 8107JU

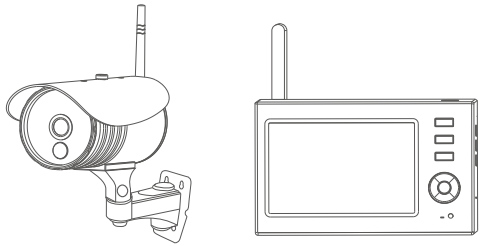
EU Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

22
PAP

USER MANUAL

4CH Digital Wireless Security System



Model: 8107JU

Version 1.0
Please read this user manual carefully before using this product.
Failure to understand operation procedures may result in injury.

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Welcome

This product is a household monitoring recording device. It consists of four cameras installed at entrances/exits of the home and one DVR receiver with a 7-inch LCD monitor. The four-split screen of the receiver can display the monitoring pictures of four accessed cameras. In addition, the infrared sensing alarm function of human body is available. Thus, a household closed monitoring system is presented.

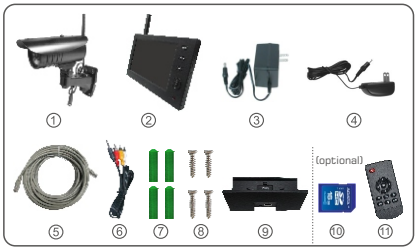
Features

- 4CH digital wireless camera & DVR system;
- Simple installation- no cables required;
- Total digital wireless, no interferences, no privacy leak;
- 7" LCD monitor with integrated video recorder;
- Support up to 32GB SD card or external mobile disk by USB2.0 (up to 1TBmobile disk);
- Support 4cameras/24hours/7days non-stop overwrite recording;
- Multiple recording modes: manual, schedule and motion activated;
- 20m night vision range;
- Video quality: 4CH VGA 10fps, 1CH VGA 30fps;
- Weather proof outdoor cameras with 200m transmission open range;
- Video output function for bigger monitor;
- IR-cut function;
- Support the user of Android and iOS Apple client to view video;
- Receiver built-in rechargeable lithium battery;

⚠ Please know that this monitor is not a PC, so some of the memory devices may not work on this monitor.

Packing List

① Camera x (1~4)
② 7" TFT LCD Monitor x 1
③ Adapter for Monitor x 1
④ Adapter for Camera x (1~4)
⑤ Network Cable x 1
⑥ AV Output Cable x 1
⑦ Wall plug x 4
⑧ Screws x 4
⑨ Pedestal for Monitor x 1
⑩ SD Card x 1
⑪ Remote control x 1

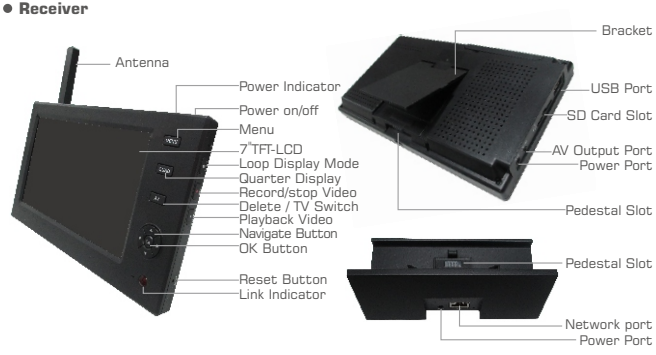


※ The pictures are for reference only, please refer to real subjects.

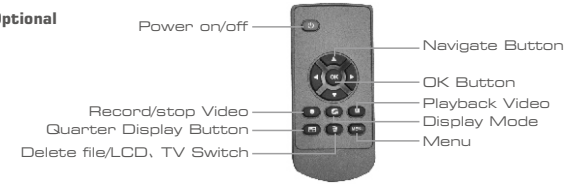
Structure

● Camera

● Receiver

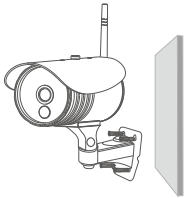


● Optional



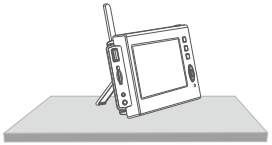
Installation

1. Install the camera at the proper monitoring location. and screw up the bracket.

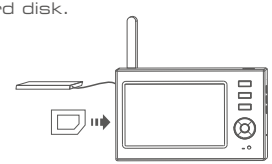


Upright installation

2. Install the receiver at a proper location. Positioned on a level plane.



3. Insert the SD card or connect an external storage device, such as a mobile hard disk.



Remarks:

※ It doesn't support hot-swappable of SD card or external storage device.

※ The external mobile disk/SD card should be in format of Fat32.

※ Please format the SD card or external mobile disk if they have been used on other device.

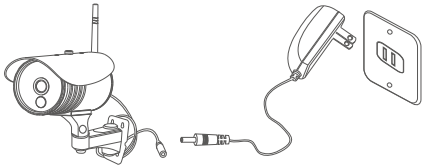
※ The receiver must be powered by external power supply when connecting with a mobile hard disk, otherwise the disk will not work properly.

※ Please use class 4 or above SD card, Otherwise, cannot be identified.

Operations

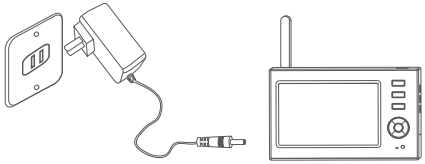
- **Basic operations**

1. Connect the camera to the power supply. The power Indicator on the back is turned on.



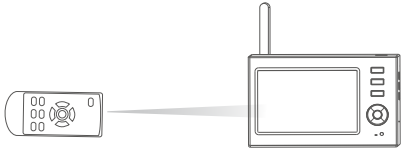
2. Connect the receiver to the power supply. The receiver built-in rechargeable lithium battery, when the power is low, please charging with the provided adapter.

Notice: Turn on the receiver when charging, the power indicator is turn off automatically.



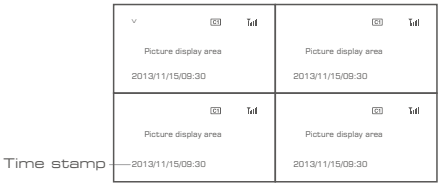
3. Press the power switch ⏻ on the receiver for 2s. The power indicator is turned on and the power-on picture appears.

Notice: The remote control can't be control power-up. (direct the remote control toward the receiver).



4. Pair the cameras and receiver respectively (at most four cameras can be connected at the same time). Pairing is completed by default before delivery. If pairing is not completed, complete pairing according to "Pairing" on page 17.

5. After successful pairing, the following real-time monitoring picture appears:

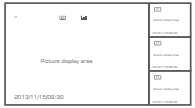


6. Press the QUAD button to switch between four display modes:

Four pictures

One picture

One large picture and three small pictures


One large picture and three small pictures

7. Press the ⟲ button to enter cyclic mode display. Five cyclic intervals are available: 5s, 10s, 15s, 20s, and 30s and can be set under "System".

Meanings of icons on the real-time monitoring picture:

USB	Mobile hard disk inserted successfully	V	Current camera
SD	SD card inserted successfully	●	Recording status
UPnP	No open router		Signal intensity
UPnP	Network connection failure	C1 C2 C3 C4	Camera name
UPnP	Network connection successful		Mute

• Video recording

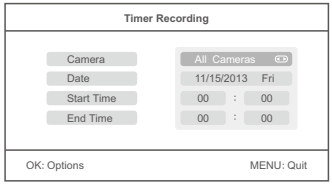
◇ Manual Recording:

1. In the real-time monitoring status, press the ◀ or ▶ buttons to select the camera for video recording as the current camera.
2. Press the recording/stopping ⊙ button on the device. The recording icon ⊙ is displayed on the screen, indicating that recording starts.
3. Press the ⊙ button on the device again to stop recording.

◇ Timer Recording:

Set the recording start/stop time through the "Timer Recording" menu. The device automatically records according to the set start/stop time. After recording, it automatically saves the video. Specific steps are as follows:

1. Press the MENU button to enter setting interface;
2. Press the ◀ or ▶ button to select "Record" and press the OK button to enter;
3. Press the ▲ or ▼ button to select "Timer Recording" and press the OK button to enter;
4. Press the ▲ or ▼ button to select "New Schedule" and press the OK button to enter:



Press the ▲ or ▼ button to select;
Press the ◀ or ▶ button to adjust;
Press the OK button to confirm and exit;

5. After setting, the device automatically records according to the set start/stop time.

◇ Motion Detection Recording:

If there is object motion detected by any accessed camera, recording can be triggered. The specific steps are as follows:

1. Press the MENU button to enter the setting interface;
2. Press the ◀ or ▶ button to select "Record", press the OK button to enter;
3. Press the ▲ or ▼ button to select "Motion Detection", press the OK button to enter;
4. Press the ▲ or ▼ button to select camera;
5. Press the OK button to enter;
6. Press the ▲ or ▼ button to select item;
7. Press the ◀ or ▶ button to adjust;
8. Press the OK button to confirm and exit.

◇ PIR Recording:

If there is human motion detected by any accessed camera, recording can be triggered. The specific steps are as follows:

1. Press the MENU button to enter the setting interface;
2. Press the ◀ or ▶ button to select "Record", press the OK button to enter;
3. Press the ▲ or ▼ button to select "PIR Recording", press the OK button to enter;
4. Press the ▲ or ▼ button to select the camera;
5. Press the ◀ or ▶ button to select "On";
6. Press the OK button to confirm and exit.

Remarks:

※ When "Off" is set, object / human motion detection function is turned off.

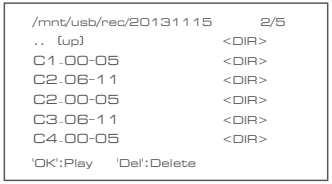
※ The infrared sensing distance of PIR is 10m. If the distance exceeds 10m, sensing may fail.

※ If the video recording time is longer than 5 minutes, a video file will be automatically saved every 5 minutes.

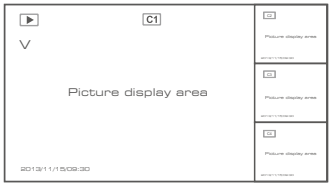
※ Multiple channels (four channels at most) recording at the same time is supported. The recorded videos of each channel are saved in an independent video folder.

• **Playback**

1. In the real-time status, press the ◄ button to enter playback interface;
2. Press the ▲ or ▼ button to select the folder;
3. Press the OK button confirm and enter:



4. Press the ▲ or ▼ button to select video;
5. Press the OK button to playback:



Press the ◀ / ▶ button to go backward/forward fast; press the OK button again to pause; press the MENU button to quit the play mode.

Remark: In the smart device client, you can use the remote playback for the video of the external storage device in the receiver.

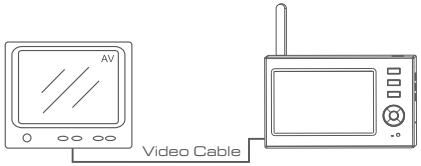
• **Delete Video**

1. In the video playback mode, press the ▲ or ▼ buttons to select the video or video folder to be deleted.
2. Press the AV button on the device to delete it.

Remark: Only the empty folder can be deleted.

• **Video Output**

You can connect the receiver to a larger monitor/TV to monitor video more clearly.

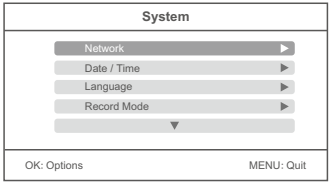


Press the AV button to switch display between the monitor/TV and the receiver.

System Setting

In the real-time status, press the MENU button to enter the following interface:

Press the ◀ or ▶ button to select "System" and then press the OK button to enter the system setting interface:

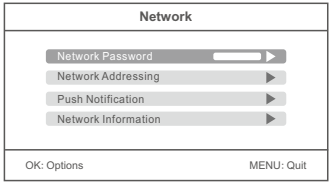


Network	Sets and views the network information.
Date / Time	Sets the system time and date.
Language	Sets the system language.
Record Mode	Sets to stop recording or overwrite the earliest video record when the storage medium is full.
Format SD/USB	Sets whether to format the storage medium.
Storage for Recording	Selects the storage medium.
Display Items	Sets whether to display RSSI, SD/USB Status and Camera on the screen and the recorded video.
TV System	Selects a system.
System Information	Views the system information.
System Update	For software upgrade.
Scan Mode Period	Sets the cyclic display interval of monitoring picture on the camera.
Mute	Turns on/off the speaker on the receiver.
Load Default	Sets whether to restore default settings.
Brightness	Adjusts brightness of the LCD screen.
Volume	Adjusts the sound.
Alarm Volume	Adjusts the alarm volume.
Power Saving Mode	Adjusts power saving mode.

Press the ▲ or ▼ buttons to select an option, and then press the OK button to confirm.

• Network

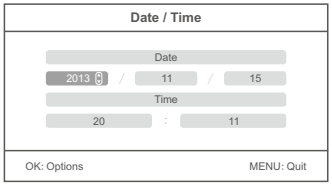
1. Press OK button to enter and view;
2. Press the MENU button to exit.



Press the ▲ or ▼ button to select;
Press the OK button to confirm;
Modify the network parameters;
Press the OK button to save and confirm;
Press the MENU button to exit.

• Date / time

Press the OK button to enter:



Press the ◀ or ▶ button to select;
Press the ▲ or ▼ button to adjust;
Press the OK button to confirm;
Press the MENU button to exit.

• Language

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select language and then press the OK button to confirm and exit.

• Record Mode

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select "Normal" or "Overwrite" and then press the OK buton to confirm and exit.

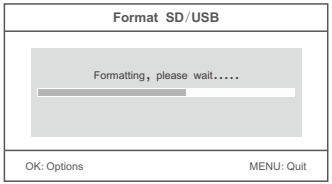
Remarks:

Normal: When the SD card or the mobile hard disk is full, the system stops recording automatically.

Overwrite: When the SD card or the mobile hard disk is full, the system automatically deletes the earliest videos and reserves a sufficient storage space to guarantee this recording.

• Format SD/USB

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select "Cancel", "SD Card" or "USB Device";
   Cancel: Cancels formatting.
   SD Card: Formats the SD card.
   USB Device: Formats the USB device.
3. Press the OK button to format:



4. After formatting, the system prompts "Format Successfully", indicating that formatting succeeds.

• Storage for Recording

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select “SD Card” or “USB Device”;
3. Press the OK button to confirm and exit.

• Display Items

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select;
3. Click the OK button to confirm whether to display this item. If this item is displayed, the ✓ icon appears behind this item.
   RSSI: Signal intensity icon, icon ;
   SD/USB status: Whether the SD card or mobile hard disk is inserted, icons ;
   Camera: Camera name, icons C1 C2 C3 C4;
   Network: Network connection, icons ;
4. After setting, press the MENU button to confirm and exit.

• TV System

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select;
3. Press OK button to confirm and exit.

• System Information

1. Press OK button to enter and view;
2. Press the MENU button to exit.

• System Update

1. Press the OK button to enter;
2. Press the ◀ or ▶ button to select;
3. Press OK button again to adjust;
4. Press ⊙ button to implement it;
5. Press OK to confirm or the MENU to exit.

• Scan Mode Period

1. Press the OK button to enter;
2. Press the ◀ or ▶ button to select;
3. Press OK button again to confirm and exit.

• Mute

1. Press the OK button to enter;
2. Press the ◀ or ▶ button to select “On” or “Off”;
3. Press the OK button again to confirm and exit.

• Load Default

1. Press the OK button to enter;
2. Press the ◀ or ▶ button to select “Cancel” or “OK”;
   Cancel: Cancels restoration of default settings.
   OK: Restores default settings.
3. Press the OK button to confirm and exit.

• Brightness

1. Press the OK button to enter;
2. Press the ◀ or ▶ button to adjust;
3. Press the OK button to confirm and exit.

• Volume

1. Press the OK button to enter;
2. Press the ◀ or ▶ button to adjust;
3. Press the OK button to confirm and exit.

• Alarm Volume

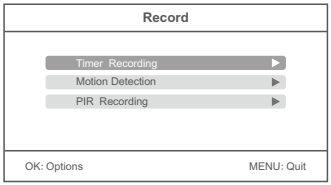
1. Press the OK button to enter;
2. Press the ◀ or ▶ button to adjust;
3. Press the OK button to confirm and exit.

• Power Saving Mode

1. Press the OK button to enter;
2. Press the ▲ or ▼ button to select “Time Interval” or “Wake up on Motion”
3. Press the OK button to enter;
4. Press the ▲ or ▼ button to select;
5. Press the OK button to confirm and exit.

Record

1. In the real-time status, press the MENU button to enter the following interface:
2. Press the ◀ or ▶ button to select “Record”;
3. Press the OK button to enter:



• Timer Recording

Set the recording start/stop time. The device automatically records according to the set start/stop time. After recording, it automatically saves the video record. For specific steps, see Page 07.

• Motion Detection

If there is object motion detected by any accessed camera, recording can be triggered. For specific steps, see Page 08.

Remark: When there is alarm sound, you can press the AV button on the panel to mute it.

• PIR Recording

If there is human motion detected by any accessed camera, recording can be triggered. For specific steps, see Page 08.

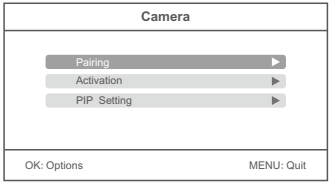
Remark: When there is alarm sound, you can press the AV button on the panel to mute it.

Playback

For specific steps, see Page 09.

Camera

1. In the real-time status, press the MENU button to enter the following interface:
2. Press the ◀ or ▶ button to select “Camera”;
3. Press the OK button to enter:

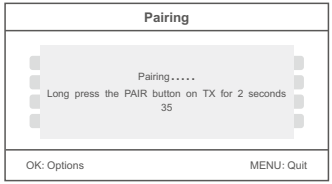


• Pairing

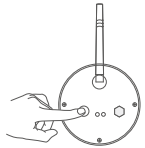
After pairing, the camera is not affected by interference of other frequencies.

1. Press the ▲ or ▼ button to select “Pairing”, press the OK button to enter:

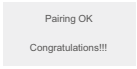
2. Press the ▲ or ▼ button to select camera;
3. Press the OK button to pair:



4. Within 35s, press the Pairing button on the back of the camera for 2s.



5. After successful pairing, the receiver screen displays the following information:

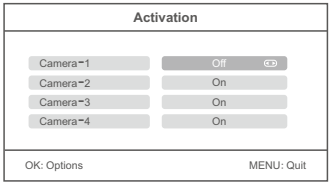


Remarks:

If pairing fails, the system prompts “Pairing failed”. Please perform pairing again.

• Activation

1. Press the ▲ or ▼ button to select “Activation”, press the OK button to enter:



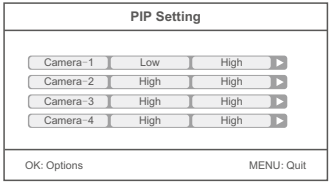
2. Press the ▲ or ▼ button to select the camera;
3. Press the ◀ or ▶ button to select “On” or “Off”;
4. Press the OK button to confirm and exit.

Notice: When “OFF” is set, the camera does not have any action, such as monitoring picture display, recording, or automatic alarm.

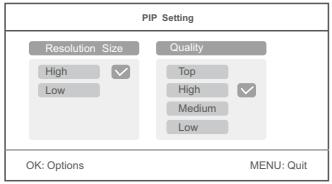
• PIP Setting

Set the resolution and pixels for the recorded video.

1. Press the ▲ or ▼ button to select “PIP Setting”, press the OK button to enter:



2. Press the ▲ or ▼ button to select the camera;
3. Press the OK button to enter the following interface:



Press the ◀ or ▶ button to select "Resolution Size" or "Quality";
Press the ▲ or ▼ button to select "Top", "High", "Medium" or "Low";
Press the OK button to adjust;
Press the MENU button to confirm and exit.

Alarm Setting

Here, you can set whether to send an alarm automatically when any motion detected by the camera:

1. In the real-time status, press the "MENU" button to enter setting interface;
2. Press the ◀ or ▶ button to select "Alarm";
3. Press the OK button to enter;
4. Press the ▲ or ▼ button to select "Motion Detection" or "PIR Detection";
5. Press the OK button to enter;
6. Press the ▲ or ▼ button to select "Off" or "On";
7. Press OK button to confirm and exit.

Remark:
Only when the PIR or motion recording function be opened, alarm is effective.

Operations for Android Client

- **Connect network**

1. Insert the receiver in the pedestal, and connect with the base power. Then connect the outer net. Turn on the receiver.

Notice: When The Pedestal and the receiver to be hot-swappable, the receiver is easy to restart.

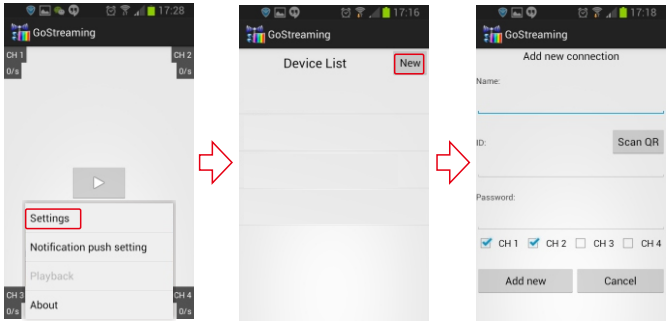
2. If connection is successful, enter Main Menu=>System=>Network =>Network Information, the receiver screen displays the following:

- **Download the client program**

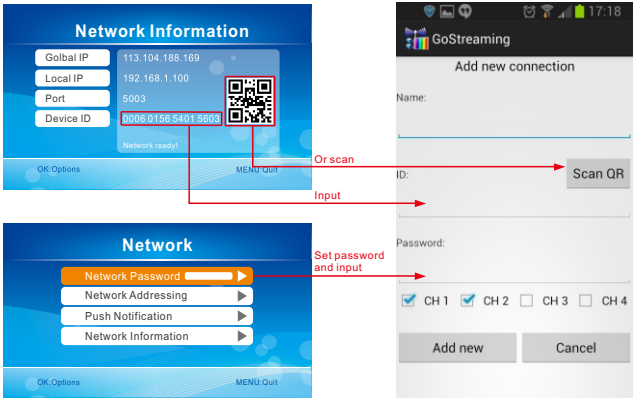
1. Turn on the intelligent mobile device terminal and enter "GOOGLE PLAY" store, then search and download "GoStreaming"software.
2. Install the software, as the following interface:

- **View image**

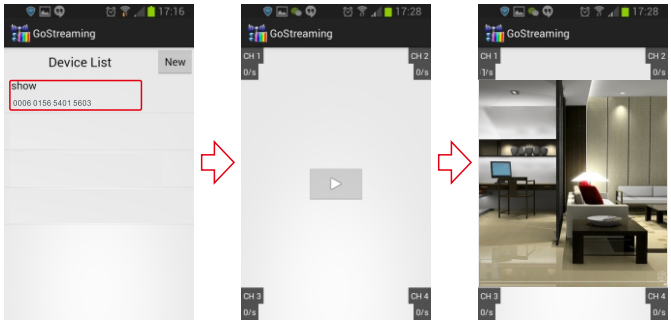
1. Click the Settings and enter settings interface. add new camera.



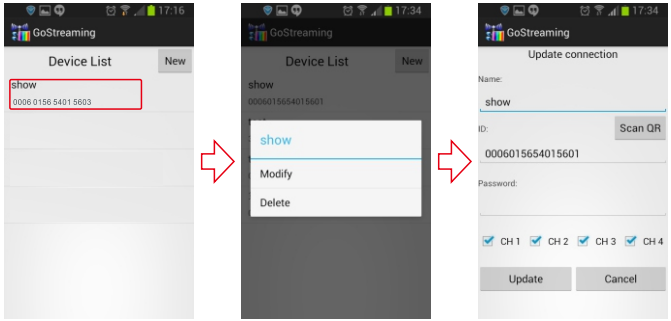
2. When RX and mobile phone can normally connect to outer net. you just need to input Device ID to the client. or scan the QR code to get the Device ID. the password is set up in the receiver, and then input to the mobile phone. and saving.



3. Click the ▶ icon, the image will display on the smart phone.

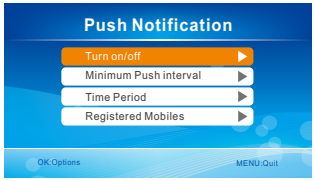


4. Press and hold the device ID to enter the setting interface.



• Setting Push Notification

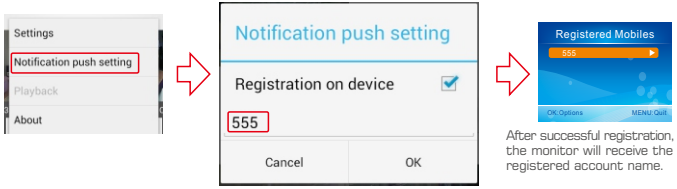
1. Turn on the push notification function on the receiver, enter Main Menu => System => Network => Push Notification, the receiver screen displays the following:



Users can set according to the situation of Minimum Push interval and time period

Notice: Only when the motion detection and PIR recording are opened at the same time, push notification function will be effective.

2. Click "Notification push setting" to register an account. When there is a movement in front of the camera, it will send a push message to your smart phone. As below shown:



After successful registration, the monitor will receive the registered account name.

Remarks:

1. Only when the receiver in the real-time state, to view the image.
2. If the Device ID was unable to get to the RX, indicates that RX did not normally connect outer net, need to check your network.
3. If everything is normal, but still not in the mobile phone client to view images, please close the client software running always in the background, please try it again.
4. The network adapter does not support hot-swappable, Before open the RX, The network is connected with the RX.

Operations for iOS Apple Client

• Connect network

1. Insert the receiver in the pedestal, and connect with the base power. Then connect the outer net. Turn on the receiver.

Notice: When The Pedestal and the receiver to be hot-swappable, the receiver is easy to restart.

2. If connection is successful, enter Main Menu=>System=>Network =>Network Information, the receiver screen displays the following:

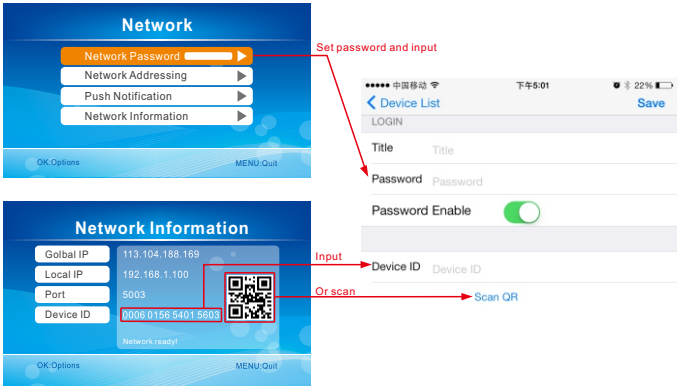
• Download the client program

1. Turn on the intelligent mobile device terminal and enter "App Store",then search and download "GoCam4CH" software. as the following interface:
2. Install the software, as the following interface:

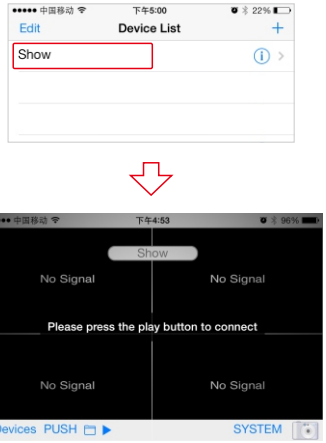
- **View image**

1. Click the APP and enter “Device list” interface. Click the ＋ icon to add new camera.

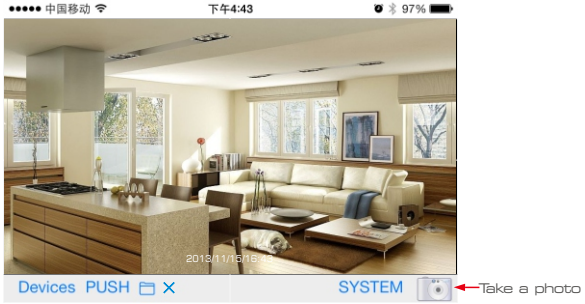
2. When RX and mobile phone can normally connect to outer net. you just need to input Device ID to the client. or scan the QR code to get the Device ID. the password is set up in the receiver, and then input to the mobile phone. and saving.



3. To view the video image, you need to choose the right title in the Device list, then click the line to enter the monitoring mode.

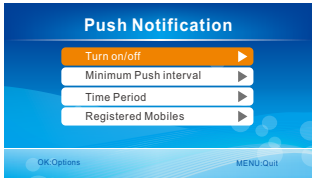


4. Click on the bottom ▶ icon. APP will try to connect the RX of the previous selected title, if connection is successful, the video image will display on the client.



• Setting Push Notification

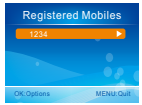
1. Turn on the push notification function on the receiver, enter Main Menu => System => Network => Push Notification, the receiver screen displays the following:



Users can set according to the situation of Minimum Push interval and time period

Notice: Only when the motion detection and PIR recording are opened at the same time, push notification function will be effective.

2. Click "PUSH" to Register an account. When there is a movement in front of the camera, it will send a push message to your smart phone. As below shown:



After successful registration, the monitor will receive the registered account name.

Remarks:

1. Only when the receiver in the real-time state, to view the image.
2. If the Device ID was unable to get to the RX, indicates that RX did not normally connect outer net, need to check your network.
3. If everything is normal, but still not in the mobile phone client to view images, please close the client software running always in the background, please try it again.
4. The network adapter does not support hot-swappable, Before open the RX, The network is connected with the RX.

Specifications

	Items	Parameter
Camera	Imaging Sensor	1/5-inch color CMOS
	Video Resolution	656 x 488
	Viewing Angle	50°
	Night Vision Distance	20m (Max.)
	Waterproof Capacity	IP66
	Power Supply	DC 5V
	Consumption Current	600mA (Max.)
	Operating Temperature	-10°C~50°C
	Operating Humidity	15~85%RH
	Dimensions(W x D x H)	164 x 81 x 172(mm)
	Approx. Weight	615g
	Unobstructed Effective Range	200m (Max.)
Monitor	LCD Screen Type	7"TFT LCD
	LCD Screen Resolution	800 x 480
	SD Card	Supports to 32GB
	Hard Disk	Supports to 1TB
	Video Frame Rate	30fps (Max.)
	Video Resolution	CIF/VGA
	Video Format	.AVI
	Date Output	USB 2.0
	Power Supply	DC 5V/3A
	Consumption Current	600mA (Max.)
	Operating Temperature	0°C~40°C
	Operating Humidity	15~85%RH
	Dimensions(W x D x H)	212 x 26 x 122 (mm)
	Approx. Weight	510g
	Unobstructed Effective Range	200m (Max.)

※ All the specifications are subject to minor change without prior notice.

Warnings

- This product shall not be exposed to water either by dripping, splashing, immersing, etc., unless otherwise indicated.
- Turn off the system if it is not in use.
- This product can only be completely disconnected for from its power source by unplugging the power adapter.
- Do not cut the DC power cable of provided with this product to fit with another power source.

FAQ

1. Why the screen doesn't display any monitoring picture after the camera is connected?

Answer: 1. Please check whether "Active" is set to "ON".
2. Please check whether pairing succeeds.

2. The recording time is set already or the motion detection recording is enabled, but the receiver does not start recording when the time comes or a motion is detected. Why?

Answer: 1. Check whether the storage medium is inserted.
2. Check whether the storage medium is full.

3. The system does not respond when the playback button ◁ is pressed. Why?

Answer: Please check whether the current camera is in the recording status. If it is in the recording status, the system will not respond when this button is pressed.

4. Why cannot see human body in the picture area, when the alarm occurs?

Answer: For the product, the angle of sensor is greater than that of lens. When human body moves beyond the angle of lens and within the angle of senor, an alarm can also occur on the device. However, the display device cannot display human body's move in the picture area.

FCC Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference;
(2) This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Troubleshooting

Symptoms	Solutions
No display	Confirm the adapters of receiver and camera connect OK
	Re-pair the camera and receiver. See more details in the manual
Failed to record	Failure in USB connection. Confirm the USB plug connects OK
	Failure in setting, see more details in the manual.
	Failure in SD card connection. It is suggested to use SD card with brand like Kingston, SanDisk, Panasonic, Kingmax or Transcend
	Failure in Mobile Hard disk connection. It is suggested to use hard disk with brand like IBM, TOSHIBA or Seagate.
	The format of mobile hard disk should be FAT32 instead of NTFS.
Poor picture quality	interference in the surrounding environment, such as WIFI and other wireless devices.
	The antennas of receiver and camera install unwell.
	IR night version is on, which leads to the color cast.
camera off	Confirm the adapter and camera connect OK.
	Confirm the setting of both Active and Display Items. See details in the manual.
No alarm or fault alarm	Failure in alarm PIP setting. See more details in the manual.
	blocked by some moving objects or barrier.
	interference from light, thunder, infrared or microwave etc.
	The stored recording image keeps unchanged, because the angle of the pyroelectric sensor is wider than the camera angles, the sensor is triggered beyond the camera view angle.
	Objects pass through the recording effective area too quickly in less than 2s.
	Fresnel shell is dirty.